Index of Claims

| Appi | ication | /Contro | l No. |
|------|---------|---------|-------|
|------|---------|---------|-------|

09/849,038

Examiner

XIAO M. WU

Applicant(s)/Patent under Reexamination

HASELTINE ET AL.

Art Unit

2674

| <b>√</b> | Rejected |
|----------|----------|
|          | Allowed  |

| - | (Through numeral) Cancelled |
|---|-----------------------------|
|   | Restricted                  |

| Z | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

| Cla      | aim      |                 |                               | Date                              | е  |                 |        | Cla             | im       |                 |   |         | Dat                | e               |          |       | ]        | CI   | aim        |                 |                         |                         | Dat                     | е  |                 |          |          |
|----------|----------|-----------------|-------------------------------|-----------------------------------|--|-----------------|--------|-----------------|----------|-----------------|---|---------|--------------------|-----------------|----------|-------|----------|--|------------|-----------------|-------------------------|-------------------------|-------------------------|--|-----------------|----------|----------|
| _        | <u> </u> | 5               |                               |                                   |  |                 |        | _               | <u> </u> |                 |   |         |                    | IJ              |          |       |          |  | -a         |                 |                         |                         |                         |  |                 |          |          |
| Final    | Original | 6/25/05         |                               |                                   |  |                 |        | Final           | Original |                 |   |         |                    | H               |          |       |          | Final  | Original   |                 |                         |                         |                         |  |                 |          |          |
| 证        | 5        | 62              |                               |                                   |  |                 | 1::::: | ᄪ               | Ö        |                 | ľ   |         |                    |                 |          |       |          | ΙŒ   | Ğ          |                 |                         |                         |                         | l  | Ιİ              |          |          |
|          |          |                 | $\rightarrow$                 | _                                 | $oxed{oxed}$                                     | ++              | 4      |                 |          | Ш               |   |         | 1_                 |                 | $\perp$  |       |          |  |            | Ш               |                         | ┸                       |                         |  | Ш               | لـــٰـ   |          |
|          | 1_       | 1               | $\dashv$                      |                                   | $\vdash$   | $\bot \bot$     | 4      |                 | 51       | Ш               | _   | _       | ↓_                 |                 |          |       | J        |  | 101        |                 |                         | ┸                       | ↓_                      | 丄  | Ш               |          | $\Box$   |
|          | 2        | √,              | $\rightarrow$                 | _                                 |  |                 | 4::::  |                 | 52       | Ш               |   |         | ┷                  |                 | _        |       |          |  | 102        |                 |                         |                         | _                       | Ŀ  | Ш               |          | _        |
|          | 3        | 1               |                               | $\dashv$                          | $\vdash \vdash$                                  | ++              | 4      |                 | 53       | Н               | $\rightarrow$   |         | +                  | Ш               |          | +-    |          |  | 103        |                 | _                       | _                       | $\bot$                  | <u> </u>   | Ш               |          | _        |
| -        | 4        | 1               | $\dashv$                      | _                                 |  | ++              | -      |                 | 54       | $\vdash \vdash$ | +   |         | +                  | Н               | _        | +     |          |  | 104        | Н               | 4                       | 4                       | $\perp$                 | <b> </b>   | Ш               | $\dashv$ | _        |
| <u> </u> | 5        | <b>√</b>        |                               | _                                 | $\vdash$   | ++              | -      |                 | 55       | $\vdash \vdash$ | -   | _       | -                  |                 | -        |       | 4        | <u> </u>   | 105        |                 | _                       |                         | _                       |  | $\sqcup$        | $\dashv$ | _        |
|          | 6<br>7   | 1               | $\dashv$                      | $\dashv$                          |  | ╂╼╂┈            | -      |                 | 56       | H               | -   | +-      | -                  | Н               | _        |       | -        |  | 106        | $\vdash$        |                         | +                       | -                       | -  | Н               |          | _        |
| <u> </u> |          | V<br>V          |                               | +                                 | $\vdash$   | ┼├-             | -      |                 | 57       | $\vdash$        |   | -       | +                  | -               |          | +     | -        | <u> </u>   | 107        | Н               |                         |                         | +                       | -  | $\sqcup$        | $\dashv$ | $\dashv$ |
| <u> </u> | 8        | 1               | $\dashv$                      | _                                 | ├─   | +               | -      |                 | 58       | $\vdash \vdash$ | +   | -       | +                  |                 |          | +-    | -        | <u> </u>   | 108        | $\sqcup$        | $\dashv$                | +                       |                         | ├  | $\vdash$        | $\dashv$ | $\dashv$ |
| <u> </u> |          | 7               | +                             | -                                 |  | ++              | -      | -               | 59       | $\vdash \vdash$ | $\dashv$  | +       | +                  | $\vdash$        | $\dashv$ |       | -        |  | 109        | H               | -                       | -                       | +-                      | -  | ⊢⊢              |          | $\dashv$ |
| -        | 10<br>11 | \<br>√          | ++                            | - $+$ $ +$                        | $\vdash \vdash$                                  | ++              | -      | $\vdash$        | 60<br>61 | $\vdash \vdash$ | +   | -       | +-                 | $\vdash$        | +        | +-    | 4        | <del></del>                                      | 110        | $\vdash \vdash$ | +                       | +                       | +-                      |  | $\vdash \vdash$ | _        | $\dashv$ |
| -        | 12       | 1               | ++                            | +                                 | <del>                                     </del> | + +             | -      | $\vdash$        | 62       | $\vdash \vdash$ | +   | +       | +                  | $\vdash$        |          | +     | -        | ├—   | 111<br>112 | $\vdash \vdash$ | +                       | +                       | +                       | $\vdash$   |                 | $\dashv$ | $\dashv$ |
|          | 13       | V               | +                             | +                                 | $\vdash$   | ++              | -{     | $\vdash \vdash$ | 63       | $\vdash$        | $\dashv$  | +       | +                  |                 | $\dashv$ | +     | 4        | <u> </u>   | 113        | Н               | -+                      | +                       | +                       | -  | $\vdash \vdash$ | -        | $\dashv$ |
| <u> </u> | 14       | V               | $\dashv$                      | -+-                               | $\vdash\vdash$                                   | ++              | -      | $\vdash$        | 64       | $\vdash$        | +   | +       | +                  | $\vdash$        | $\dashv$ | +-    | 1        | ├  | 113        | $\vdash \vdash$ | +                       | +                       | +                       | ⊢  | $\vdash$        | $\dashv$ | $\dashv$ |
|          | 15       | V               | $\dashv$                      | $\dashv$                          | $\vdash$   | ++              | -      |                 | 65       | $\vdash \vdash$ | -+  | +       | +-                 | Н               | +        | ╁     | 1        | <del> </del>                                     | 115        | $\vdash \vdash$ | +                       | +                       | +-                      | <del>                                     </del> | $\vdash$        | $\dashv$ | $\dashv$ |
|          | 16       | 1               | +                             | $\dashv$                          | $\vdash$   | ++              | -      |                 | 66       | $\vdash \vdash$ | -   | +       | +                  | $\vdash$        | +        | +     | łiiii    | $\vdash$   | 116        | $\vdash$        | $\dashv$                | +                       | +-                      | <del>                                     </del> | $\vdash \vdash$ | -        | $\dashv$ |
|          | 17       | V               | $\dashv$                      |                                   | $\vdash \vdash$                                  | ++              | -      |                 | 67       | $\vdash$        | +   | +       | +                  | $\vdash$        | +        | +     | ł        | <u> </u>   | 117        | $\vdash$        | -+                      | +                       | +                       | 1  | $\vdash \vdash$ |          | $\dashv$ |
|          | 18       | V               | $\dashv$                      | _                                 | $\vdash\vdash$                                   | ++              | 1      |                 | 68       | $\vdash$        | $\dashv$  | +       | +-                 | $\vdash \dashv$ | +        | +     | 1        | <u> </u>   | 118        | $\vdash$        | $\dashv$                | +                       | +                       | -  | $\vdash \vdash$ | $\dashv$ | $\dashv$ |
|          | 19       | V               |                               | +                                 | $\vdash$   | + +             | -      |                 | 69       | $\vdash$        | $\dashv$  | +       | ╁                  | ┝─┤             | -        |       | 1        |  | 119        | $\dashv$        |                         | +                       | ╁                       | -  | $\vdash$        | $\dashv$ | $\dashv$ |
|          | 20       | V               |                               |                                   | $\vdash$   | <del> </del>    | -      |                 | 70       | -               | $\dashv$  | +       | ╁                  | $\vdash$        | $\dashv$ | +     | 1        |  | 120        | $\vdash$        | -+                      | +                       | +                       | <del> </del>                                     | $\vdash$        | $\dashv$ | $\dashv$ |
|          | 21       | V               | ++                            | +                                 | $\vdash$   | $\vdash$        | 1      |                 | 71       | $\vdash$        | +   | +       | +                  | H               |          | +     | 1        | <u> </u>   | 121        | $\vdash$        | $\dashv$                | +                       | ╁                       |  | $\vdash$        | -+       | $\dashv$ |
|          | 22       | 1               | ++                            |                                   | $\vdash$   | ++              | 1      |                 | 72       | $\vdash$        |   | ╅       | +                  | $\vdash$        | -        | +-    | 1        | <del>                                     </del> | 122        | $\vdash$        |                         | +                       | +                       | -  | $\vdash$        | $\dashv$ | $\dashv$ |
|          | 23       | 1               |                               | $\top$                            |  | +               | 1      |                 | 73       | $\vdash$        | $\dashv$  | +       | +                  | Н               | $\dashv$ | +     |          |  | 123        |                 | $\dashv$                | ╅                       | +                       |  |                 | $\dashv$ | $\dashv$ |
|          | 24       | 1               | +++                           | $\neg$                            |  | ++              | 1      |                 | 74       | $\vdash$        | -   | +       | +                  |                 | +        | +     | ı        |  | 124        |                 | -+                      | +                       | +-                      | Η.   | H               | $\dashv$ | $\dashv$ |
|          | 25       | 1               |                               |                                   |  | +               | 1      |                 | 75       |                 | $\dashv$  | +       | <del></del>        | 1               | $\dashv$ | +-    | 1        |  | 125        |                 | _                       | +                       | +-                      | $\vdash$   | $\vdash$        | $\dashv$ | $\dashv$ |
|          | 26       | 1               | 11                            |                                   |  | $\top \top$     | 1      |                 | 76       | Н               |   | +       | 1                  | Н               | $\neg$   | 十     | 1        |  | 126        | H               | _                       | +                       | +                       |  |                 | 一        | ᅱ        |
|          | 27       | 1               |                               |                                   |  | $\top \top$     | 7      |                 | 77       | П               | $\neg$  | $\top$  | T                  | Н               | _        | 1     | 1        |  | 127        | $\dashv$        | $\neg$                  | $\top$                  | $\dagger$               | $t^-$  | П               | $\dashv$ | $\neg$   |
|          | 28       | 1               |                               |                                   |  |                 | 7      |                 | 78       |                 |   | T       |                    | П               | ┪        |       | 1        |  | 128        |                 | $\neg$                  | T                       |                         | Г  |                 | $\dashv$ | $\neg$   |
|          | 29       | 1               |                               |                                   |  |                 | 7      |                 | 79       | П               |   | _       |                    | П               |          | 1-    | 1        |  | 129        | П               | $\neg$                  | 1                       |                         | T  | П               | $\neg$   |          |
|          | 30       | √               |                               |                                   |  |                 |        |                 | 80       |                 |   | $\top$  | Т                  | П               |          | 1     | 1        |  | 130        |                 |                         |                         |                         | $\vdash$   |                 | $\neg$   | П        |
|          | 31       | 1               |                               |                                   |  |                 |        |                 | 81       |                 |   |         |                    |                 |          |       | ]        |  | 131        |                 | T                       | 7                       |                         |  | П               |          | $\neg$   |
|          | 32       | 1               |                               |                                   |  |                 |        |                 | 82       |                 |   |         |                    |                 |          | Ι     | ]        |  | 132        |                 | ┰                       | $\top$                  | 1                       |  | П               | $\dashv$ | $\neg$   |
|          | _33      | 1               |                               |                                   |  |                 |        |                 | 83       |                 | $oldsymbol{ol}}}}}}}}}}}}}}}$ |         |                    |                 |          | oxdot | ]        |  | 133        |                 |                         | I                       |                         |  |                 |          |          |
|          | 34       | 1               |                               |                                   |  |                 |        |                 | 84       |                 | $\perp$   | $\perp$ |                    |                 |          |       |          |  | 134        |                 | Ι                       | $oldsymbol{\mathbb{T}}$ | $\prod$                 | $\Box$   |                 |          |          |
|          | 35       | 1               | $\perp \perp$                 | $\perp \!\!\! \perp \!\!\! \perp$ |  | $\sqcup \sqcup$ |        |                 | 85       |                 | $\bot \!\!\! \bot$  | $\perp$ |                    |                 |          |       | ]        |  | 135        |                 |                         |                         | Ι                       | Γ.   |                 |          |          |
|          | 36       | 1               | $\perp \downarrow \downarrow$ | $\Box$                            |  | $\perp \perp$   | _      |                 | 86       |                 |   | $\perp$ |                    | Ш               |          |       |          |  | 136        |                 | $oldsymbol{\mathbb{I}}$ |                         |                         |  |                 |          |          |
|          | 37       | Ш               |                               | ot                                | $\Box \Box$                                      | $\perp \perp$   | _      |                 | 87       |                 |   | $\perp$ |                    |                 |          |       |          |  | 137        |                 | $oldsymbol{\mathbb{I}}$ |                         | $oldsymbol{\mathbb{L}}$ |  |                 |          |          |
|          | 38       | $\sqcup$        | $\bot$                        |                                   | $\sqcup \!\!\! \perp$                            | $\perp \perp$   |        |                 | 88       | Ш               |   |         | $oxed{oxed}$       | Ш               |          | 1_    | <b>.</b> |  | 138        |                 | $\Box$                  | $\perp$                 | $oxed{\Box}$            |  | $\Box$          |          |          |
|          | 39       | Ш               |                               | $\perp \!\!\! \perp \!\!\! \perp$ | $\sqcup \!\! \perp$                              |                 | 4      |                 | 89       | $\sqcup$        | $\perp$   | $\perp$ | $oldsymbol{\perp}$ | Ш               |          |       |          |  | 139        | Ш               |                         |                         |                         |  | Ш               |          |          |
|          | 40       | $\sqcup$        | $\dashv$                      | $\perp \!\!\! \perp \!\!\! \perp$ |  | 1               | 4      |                 | 90       | $\sqcup$        | 4   | $\perp$ | ╄                  | Щ               | _        | 1_    | ]        | L  | 140        | Ш               |                         | $\perp$                 | $\perp$                 | <u> </u>   | Ш               |          |          |
|          | 41       |                 | +                             | $\dashv$                          | <del></del>                                      | ₩.              | 4      |                 | 91       | Щ               | _   | $\bot$  | ↓_                 | Ш               | $\perp$  | _     | 1        | <u> </u>   | 141        |                 | $\perp$                 | 4                       | $\perp$                 | Ш  | Ш               | _        | $\Box$   |
|          | 42       | $\vdash \vdash$ | $\dashv \dashv$               |                                   |  | +               | -      |                 | 92       | $\sqcup$        |   | 4       | $\bot$             | $\sqcup$        | $\dashv$ | +-    |          |  | 142        | $\Box$          | _                       | $\bot$                  | 1                       | <u> </u>   | Ш               | _        | ᆚ        |
|          | 43       | $\vdash$        | $\dashv \dashv$               | $\dashv$                          | $\vdash \vdash$                                  | ++              | -      |                 | 93       | $\dashv$        |   | $\bot$  | $\bot$             | Щ               | $\perp$  |       |          |  | 143        |                 | 4                       | $\perp$                 | 1                       | _  | Ш               |          |          |
|          | 44<br>45 | $\vdash \vdash$ | $\dashv$                      | $\dashv$                          | $\vdash\vdash$                                   | ┼┼              | -      | <b></b>         | 94       | $\dashv$        | -   | +       | +                  | Н               | +        | +     |          |  | 144        | $\dashv$        | +                       | +                       | +                       | _  | $\vdash$        |          | _        |
|          |          |                 |                               | $\dashv\dashv$                    | <del>-  </del>                                   | +               | -      |                 | 95       | $\dashv$        | $\dashv$  | +       | +                  | Н               | +        | +     |          |  | 145        |                 | +                       | +                       | $\bot$                  | Щ  | $\sqcup$        | _        | $\dashv$ |
|          | 46<br>47 | $\vdash \vdash$ | $\dashv$                      |                                   |  | $\vdash\vdash$  | -      |                 | 96       | $\dashv$        | +   | +       | +-                 | $\vdash$        | +        | +-    |          | ļ  | 146        | $\dashv$        | +                       | +                       | +                       | $\vdash$   | $\mapsto$       | 4        | $\dashv$ |
|          |          | $\vdash \vdash$ | $\dashv \dashv$               |                                   | -  | $\vdash$        | -      |                 | 97<br>98 | $\dashv$        | +   | +       | +-                 | $\vdash$        | -        | +-    |          |  | 147        | $\dashv$        | -                       | +                       | +                       | $\vdash$   | $\vdash \vdash$ | -        | _        |
|          | 48<br>49 | $\vdash \vdash$ | $\dashv +$                    | +                                 | $\vdash \vdash$                                  | +               | -      |                 | 98       | $\vdash$        | +   | +       | +-                 | $\vdash \vdash$ | -        | +-    |          |  | 148        | $\dashv$        | _                       | +                       | +                       | $\vdash$   | $\vdash$        | -        | 4        |
|          | 50       | $\vdash \vdash$ | ++                            | $\dashv$                          | $\vdash$   | +               | -      |                 | 100      | -               | +   | +       | +                  | $\vdash$        |          | +     |          |  | 149        | _               | -                       | +                       | +                       | $\vdash$   | $\vdash \vdash$ | $\dashv$ | 4        |
|          | _5∪_     | LL              | iL                            |                                   |  | <u></u>         | انسال  |                 | 100      |                 |   |         | <u> </u>           |                 |          |       | J::::::  |  | 150        | Ш               | L_                      | ┸                       |                         | Ц.,  | Ш               |          |          |